

# Instrument position relative to processing object measuring apparatus - has measuring device for measuring position of instrument including inertia sensor unit

Publication number: DE4225112

Publication date: 1993-12-09

Inventor: STELTE NORBERT DIPL PHYS DR (DE); SEIDL MAX DIPL PHYS DR RER NAT (DE); RAAB MICHAEL DIPL PHYS DR (DE)

Applicant: BODENSEEWERK GERAETETECH (DE)

Classification:

- international: A61B6/12; A61B19/00; A61M25/095; G06T7/00; A61B6/12; A61B19/00; A61M25/095; G06T7/00; (IPC1-7): A61B19/00; A61B1/00; A61B5/06; A61B6/02; A61M25/01; G06F15/66

- european: A61B6/12; A61B19/00G; A61B19/00N; G06T7/00D

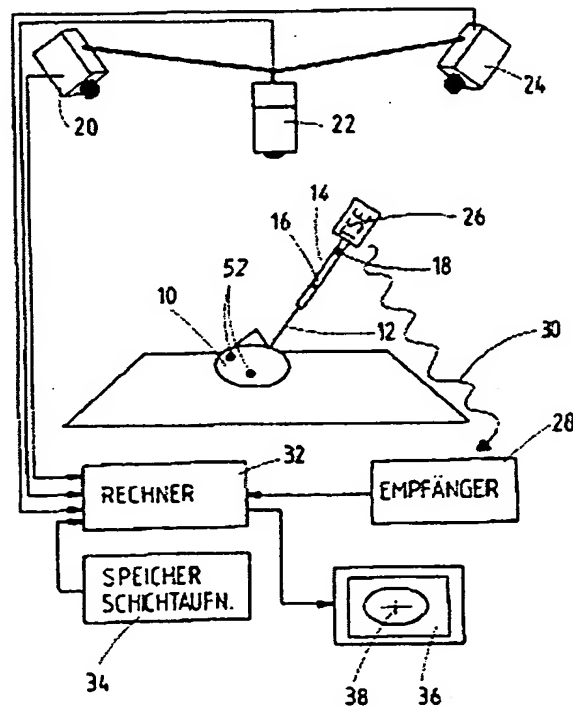
Application number: DE19924225112 19920730

Priority number(s): DE19924225112 19920730

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## Abstract of DE4225112

The position measurement apparatus includes a computer (32) with memory (34) for storage layered images of the processing object (10) with a first coordinate system. A measuring device (16, 18, 20, 22, 24, 26) measures the position of the instrument (12) in a second coordinate system. A further measuring device (20, 22, 24) measures the position of predefined points in the first coordinate system of the processing object in the second coordinate system. The computer has a coordinate transformation program. The layered image and the instrument in the other coordinate system are displayed on a screen (36). The measuring device for measuring the position of the instrument contains an inertia sensor unit (26). USE/ADVANTAGE - For use during surgery for example. Enables free handling of instrument and guarantees constant availability of position information.



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